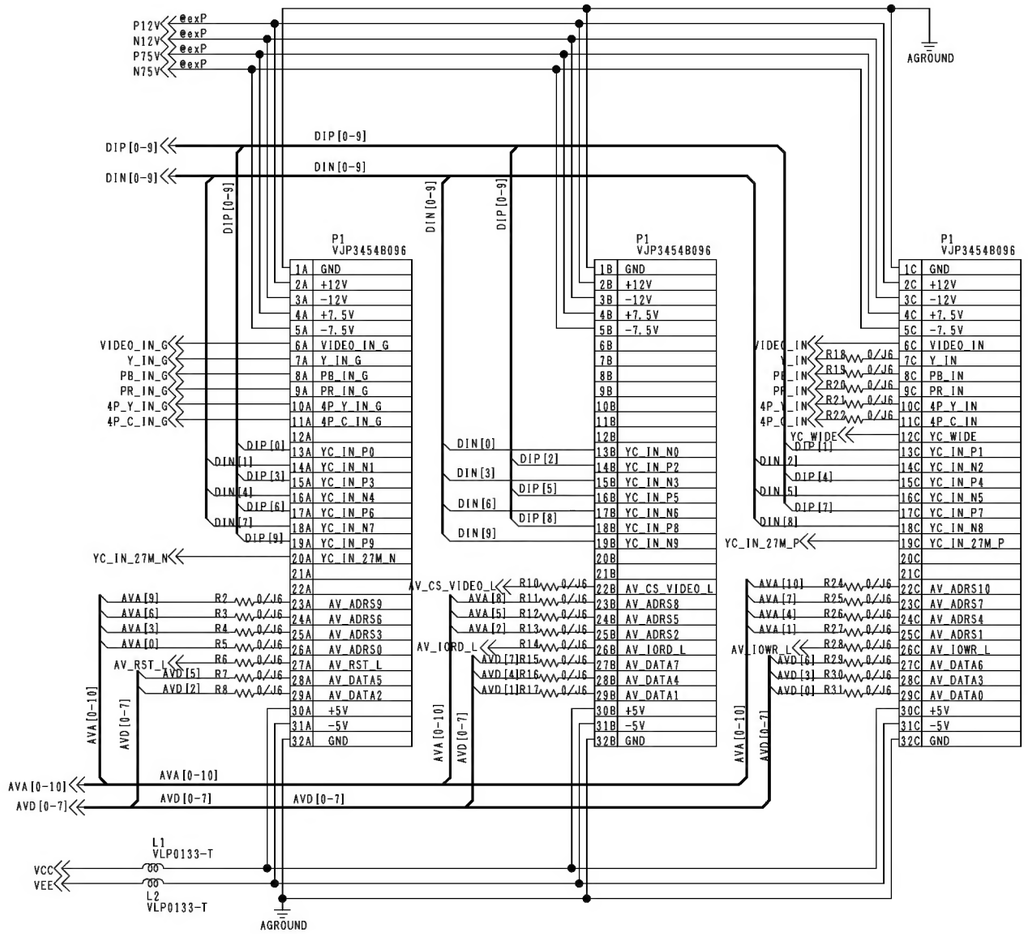
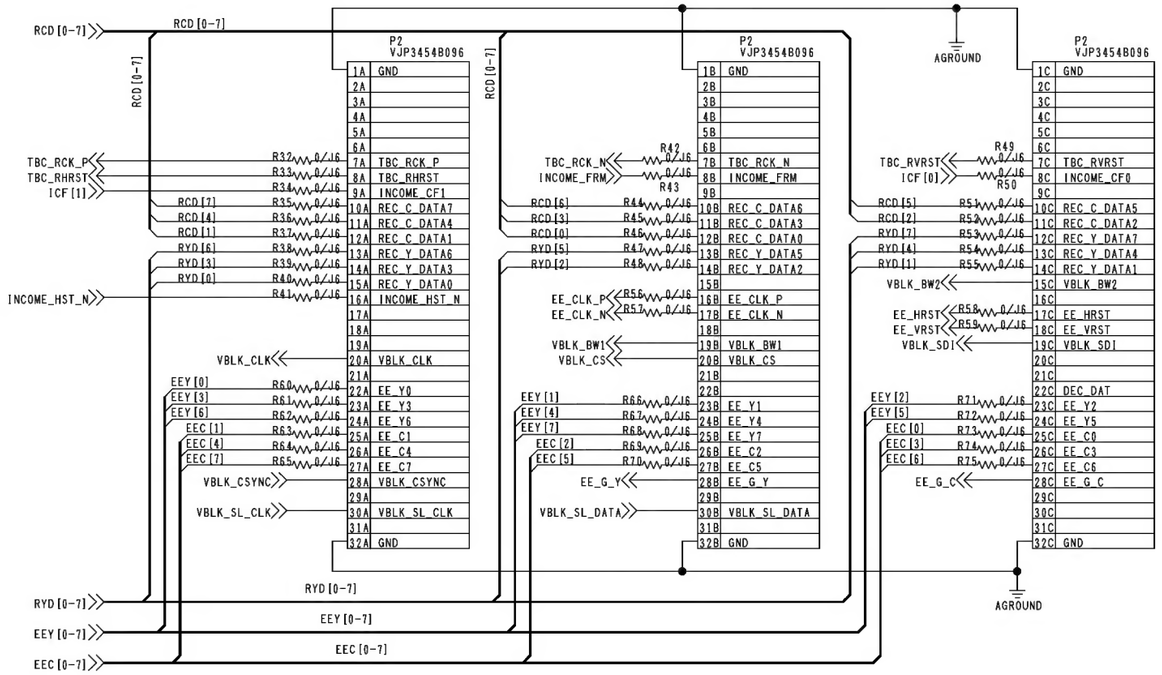
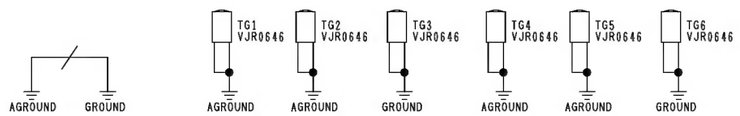
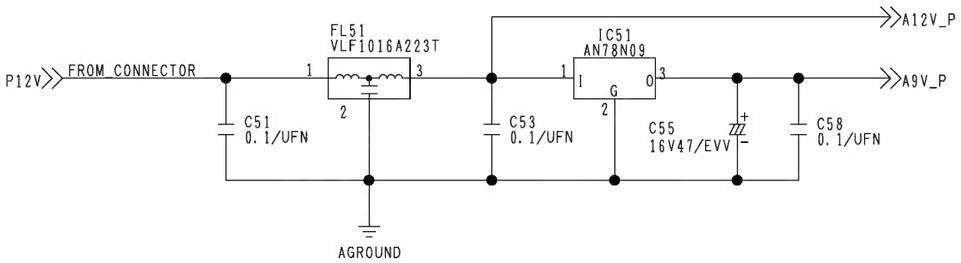
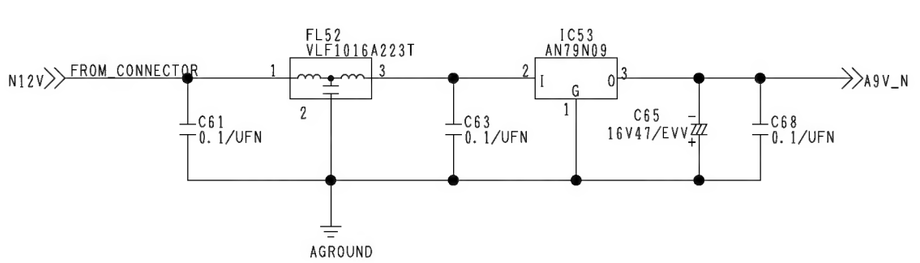


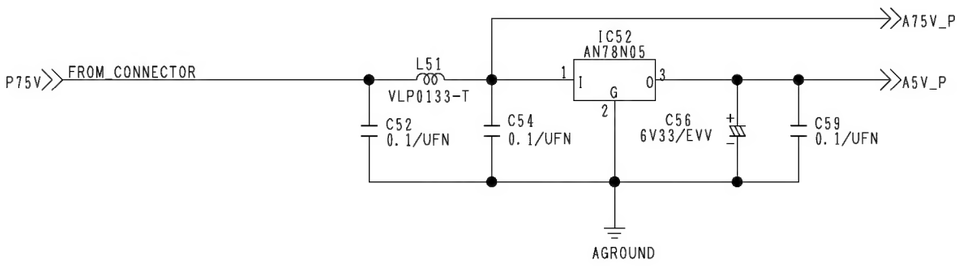


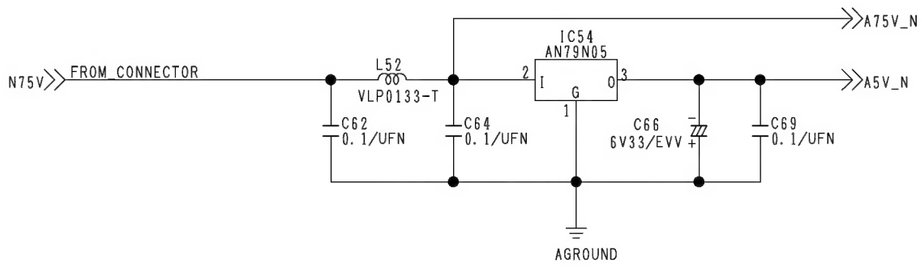


COMPONENT NAME	V IN FOR PAL (CONNECTOR)	01/21
CIRCUIT BOARD NO.	MODEL NO.	
VEP83449A		
		SCM114

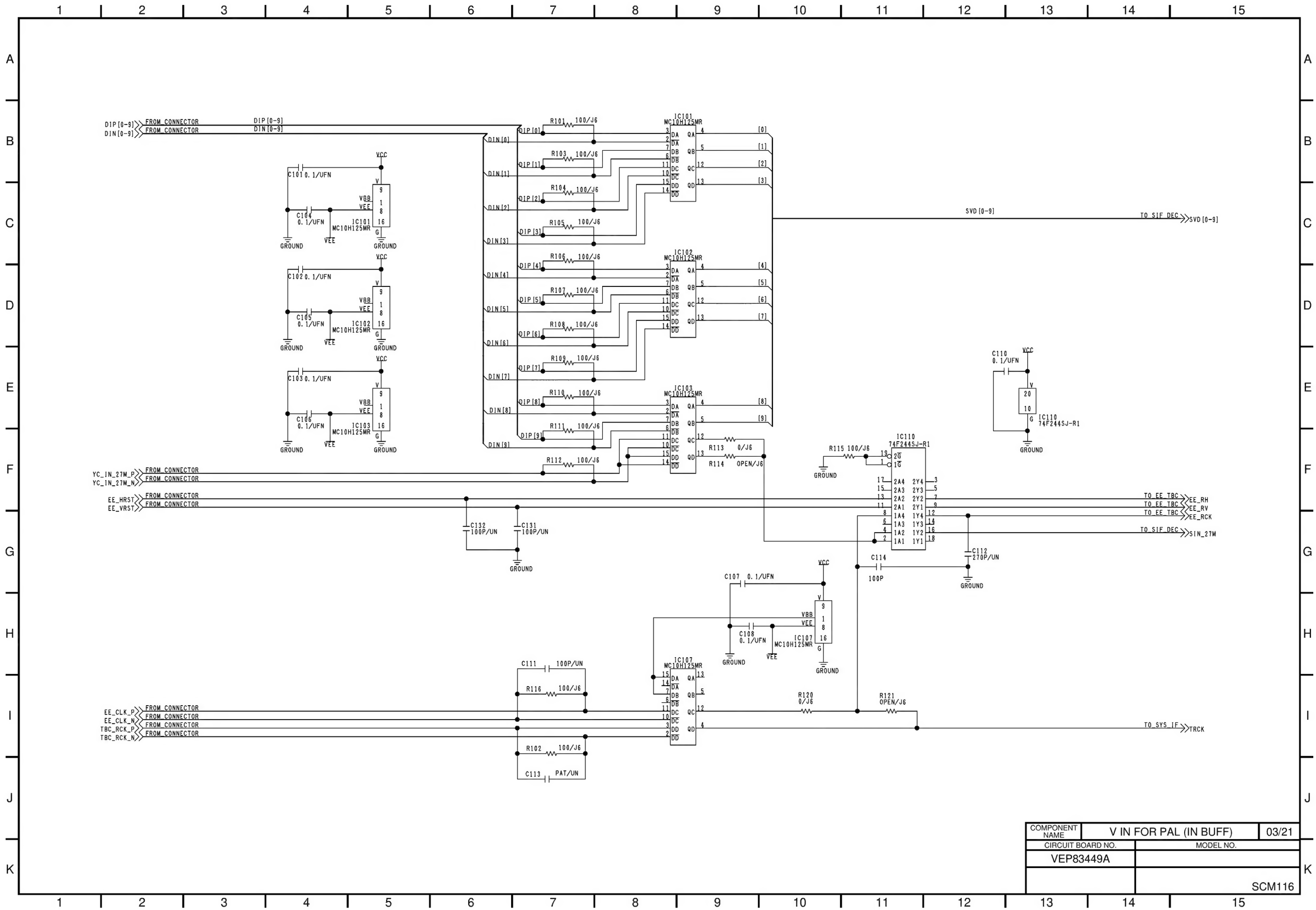




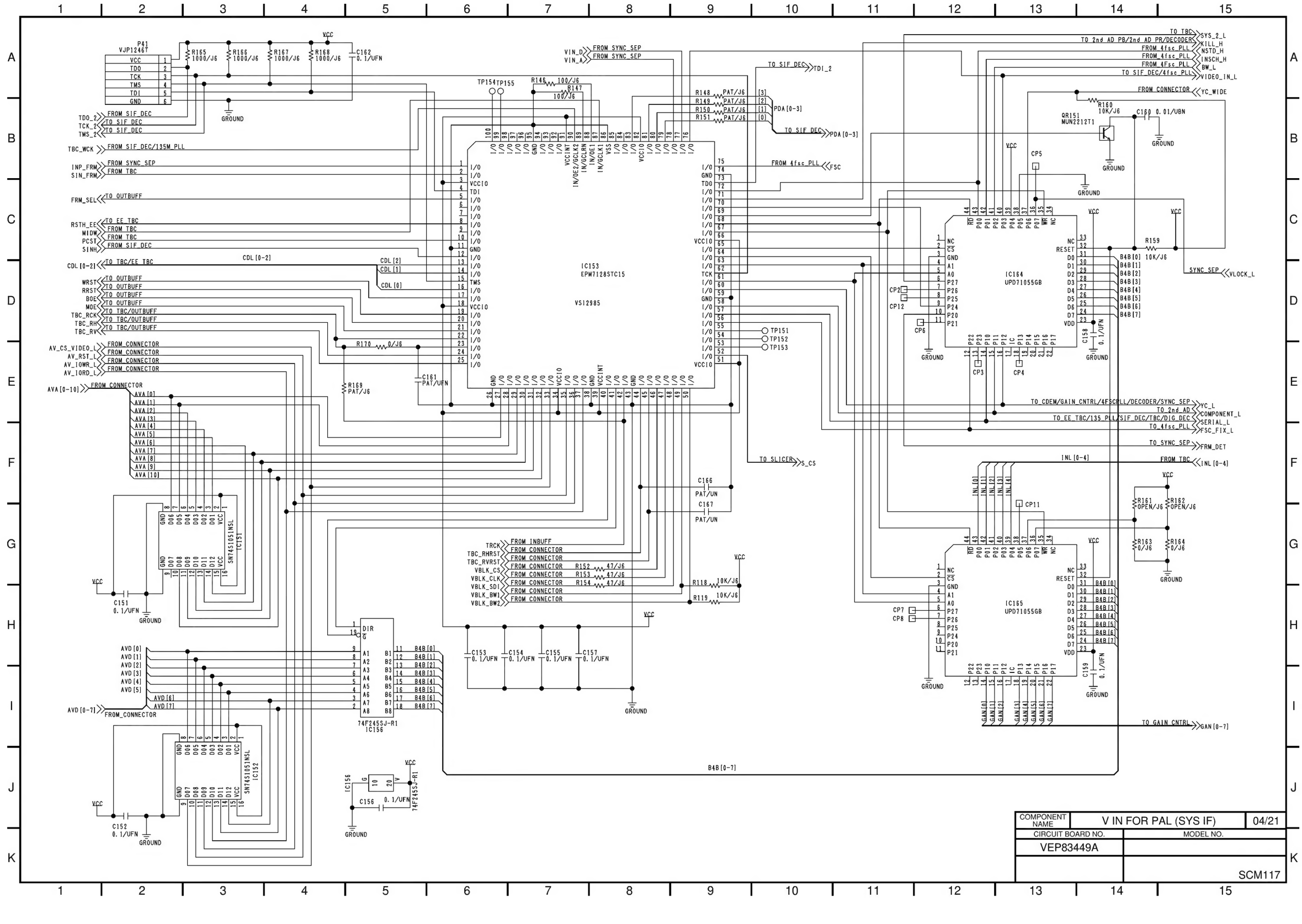




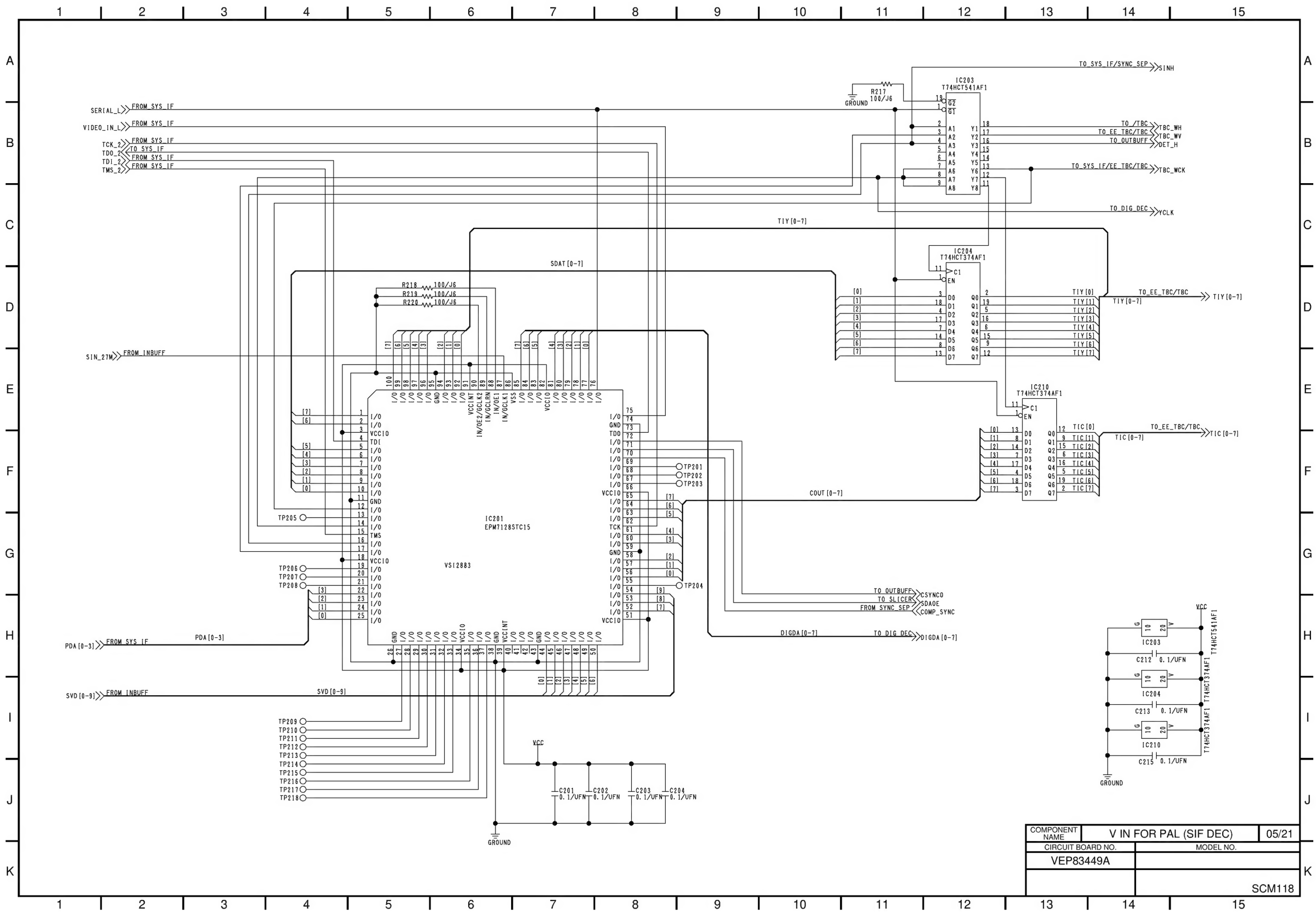
COMPONENT NAME	V IN FOR PAL (POWER)	02/21
CIRCUIT BOARD NO.	MODEL NO.	
VEP83449A		
	SCM115	



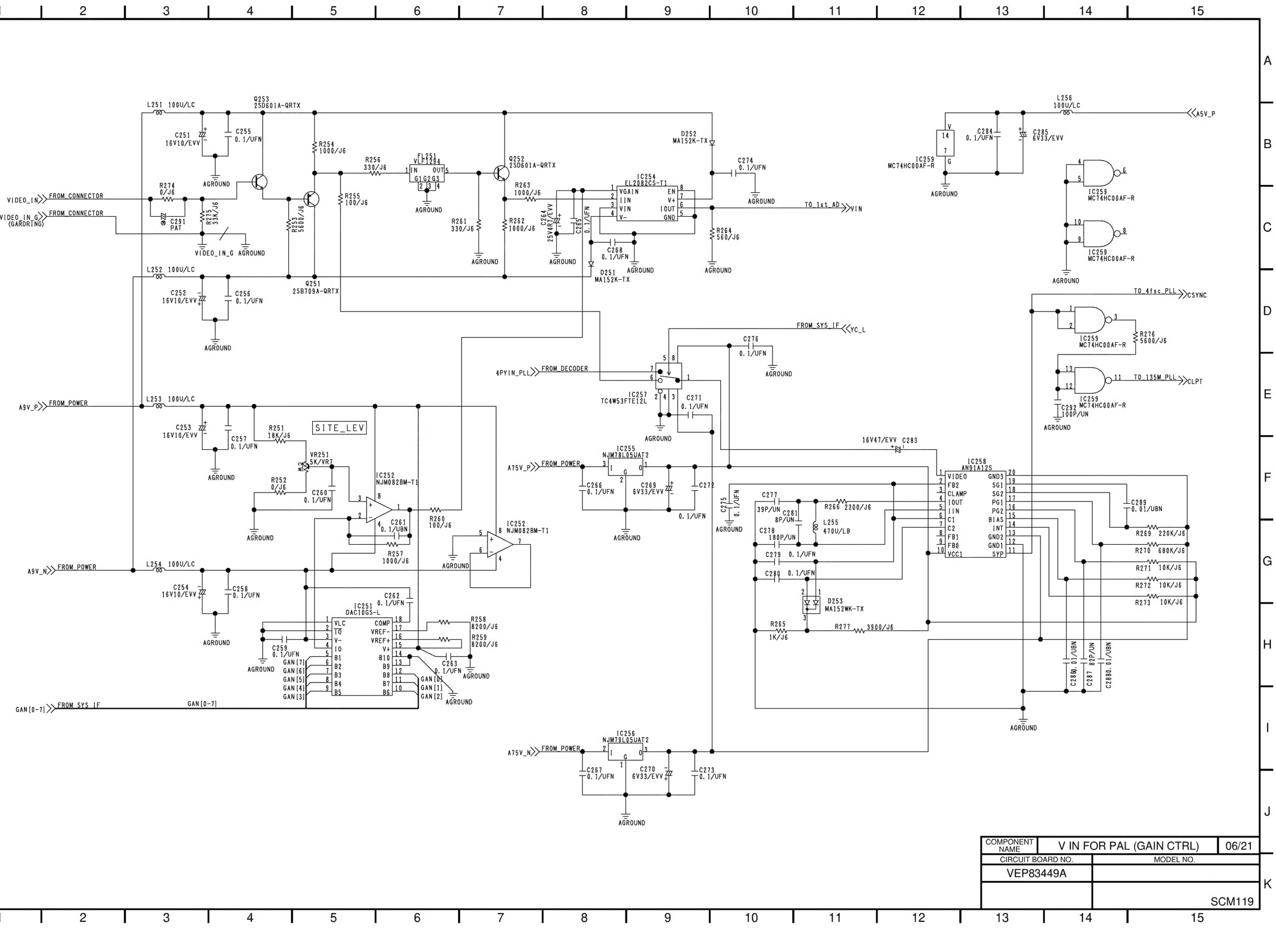
COMPONENT NAME	V IN FOR PAL (IN BUFF)	03/21
CIRCUIT BOARD NO.	MODEL NO.	
VEP83449A		
		SCM116



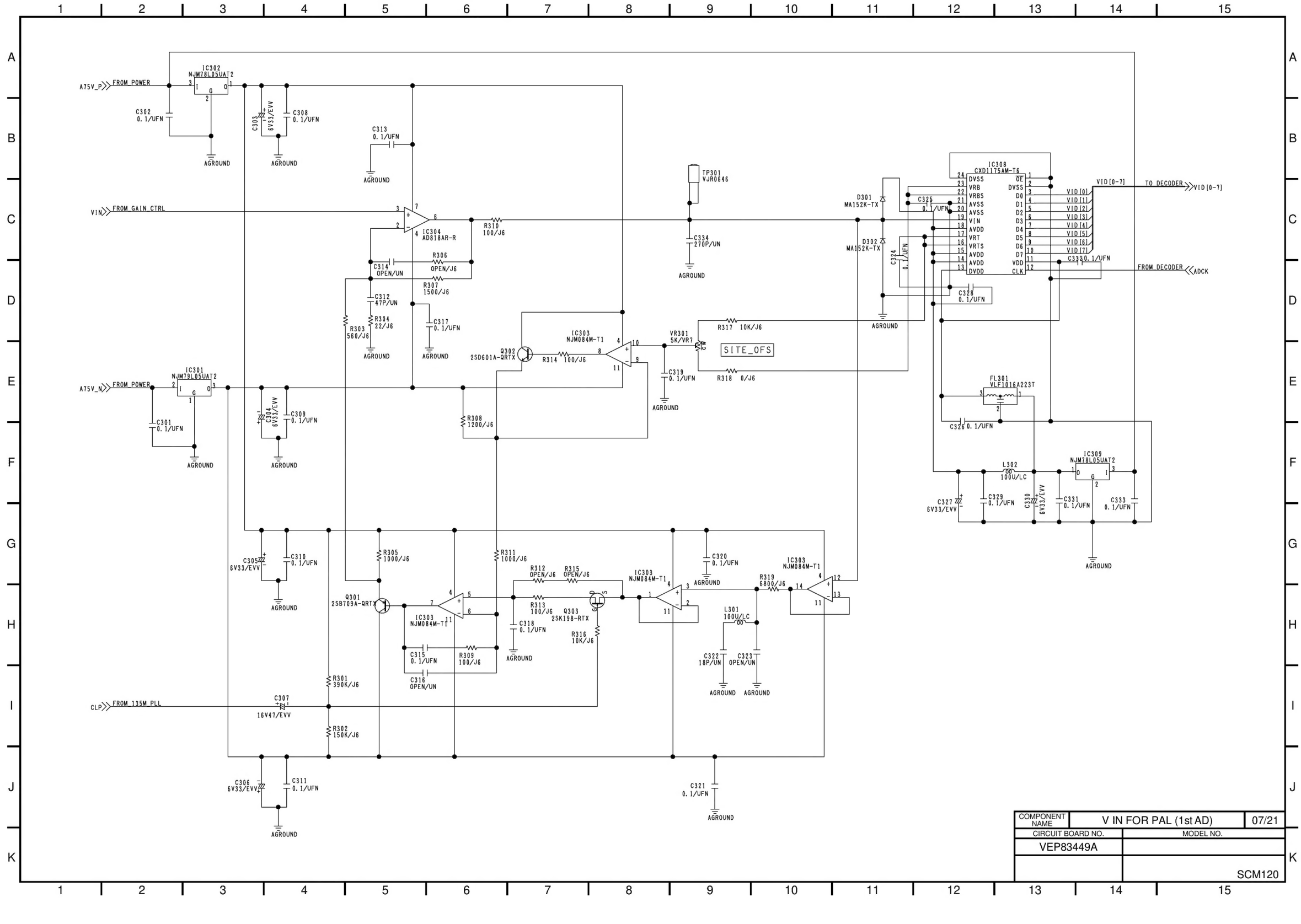
COMPONENT NAME	V IN FOR PAL (SYS IF)	04/21
CIRCUIT BOARD NO.	MODEL NO.	
VEP83449A		
		SCM117



COMPONENT NAME	V IN FOR PAL (SIF DEC)	05/21
CIRCUIT BOARD NO.	MODEL NO.	
VEP83449A		
		SCM118

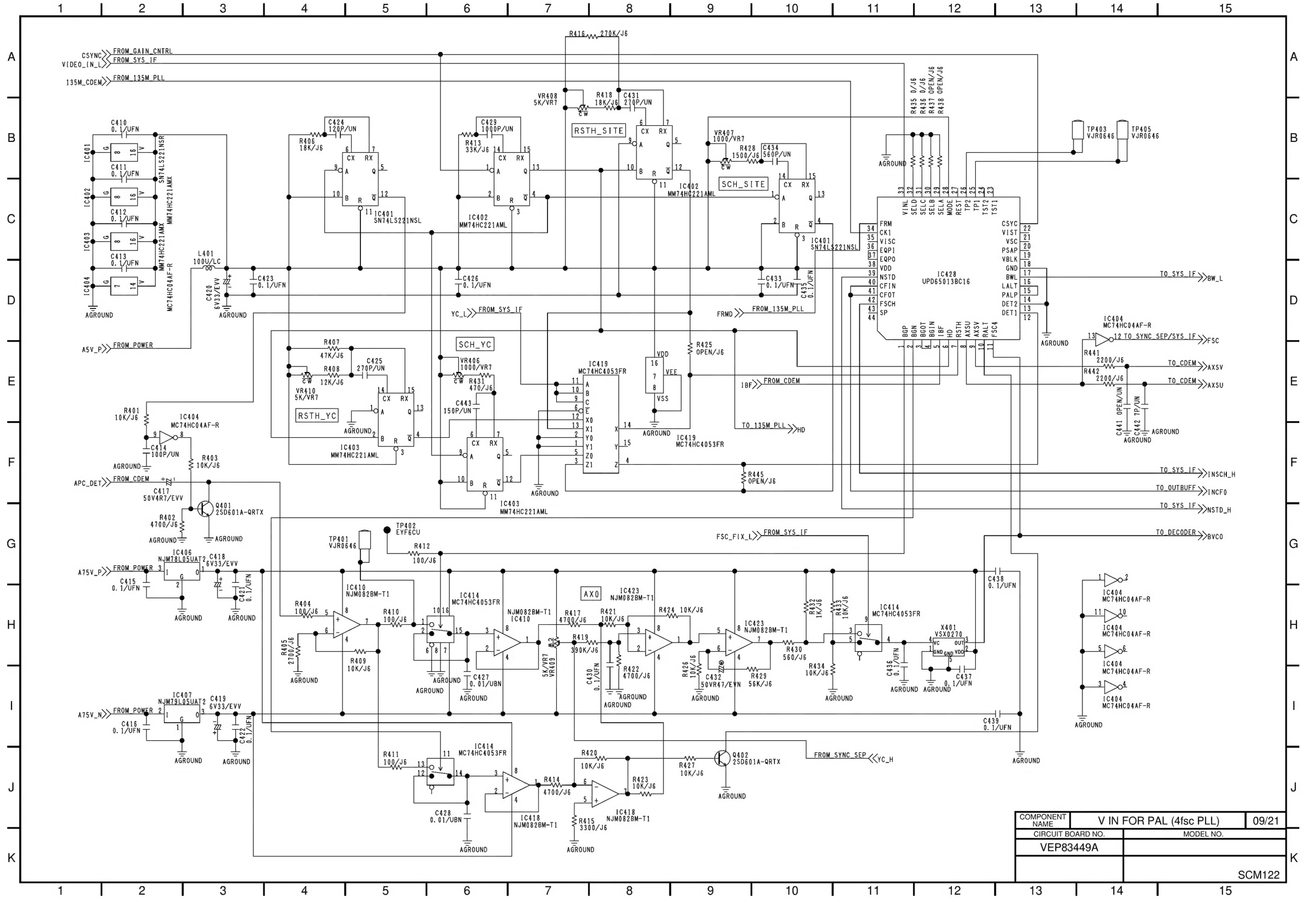


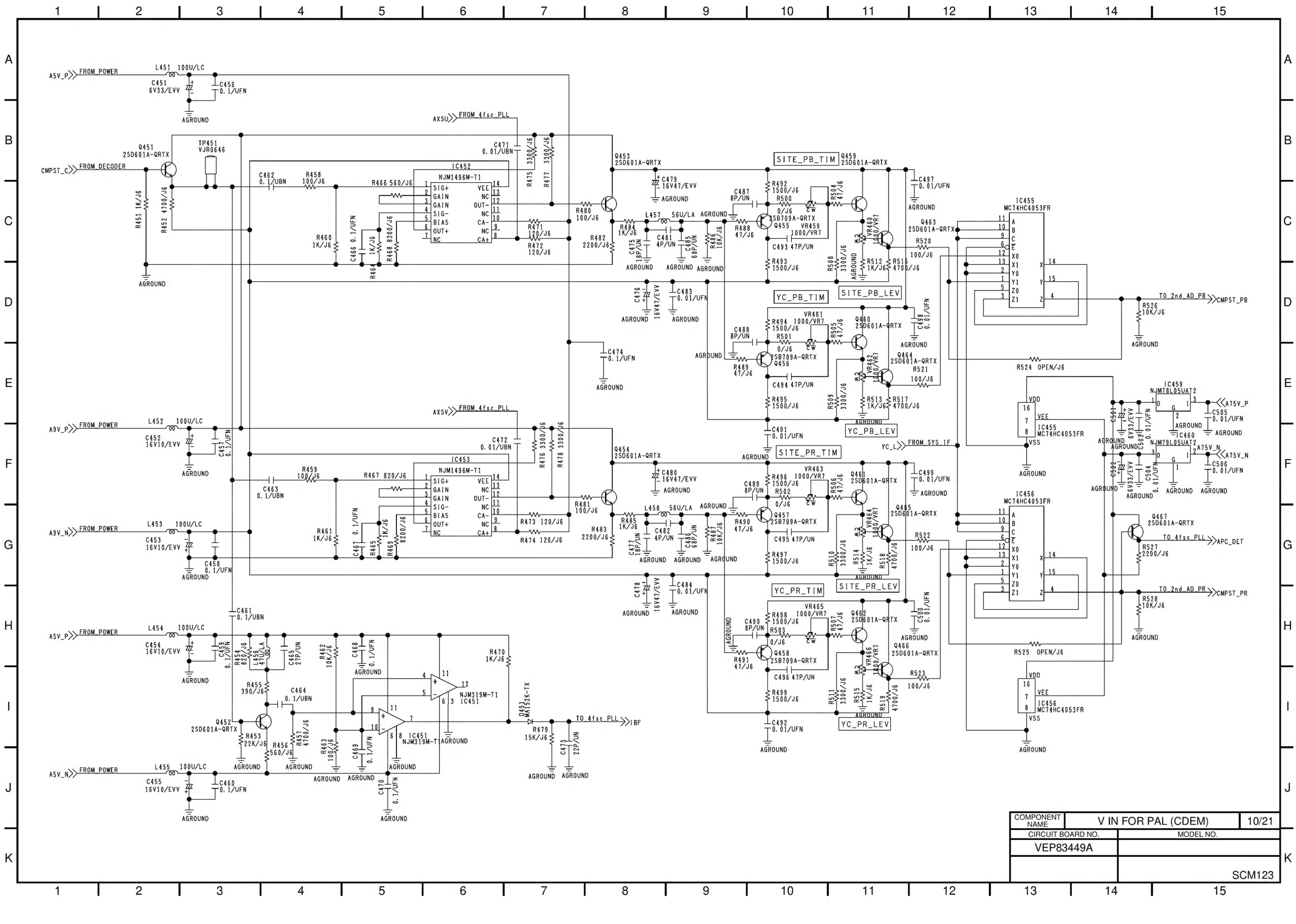
COMPONENT NAME	V IN FOR PAL (GAIN CTRL)	06/21
CIRCUIT BOARD NO.	MODEL NO.	
VEP83449A		
		SCM119



COMPONENT NAME	V IN FOR PAL (1st AD)	07/21
CIRCUIT BOARD NO.		MODEL NO.
VEP83449A		
		SCM120

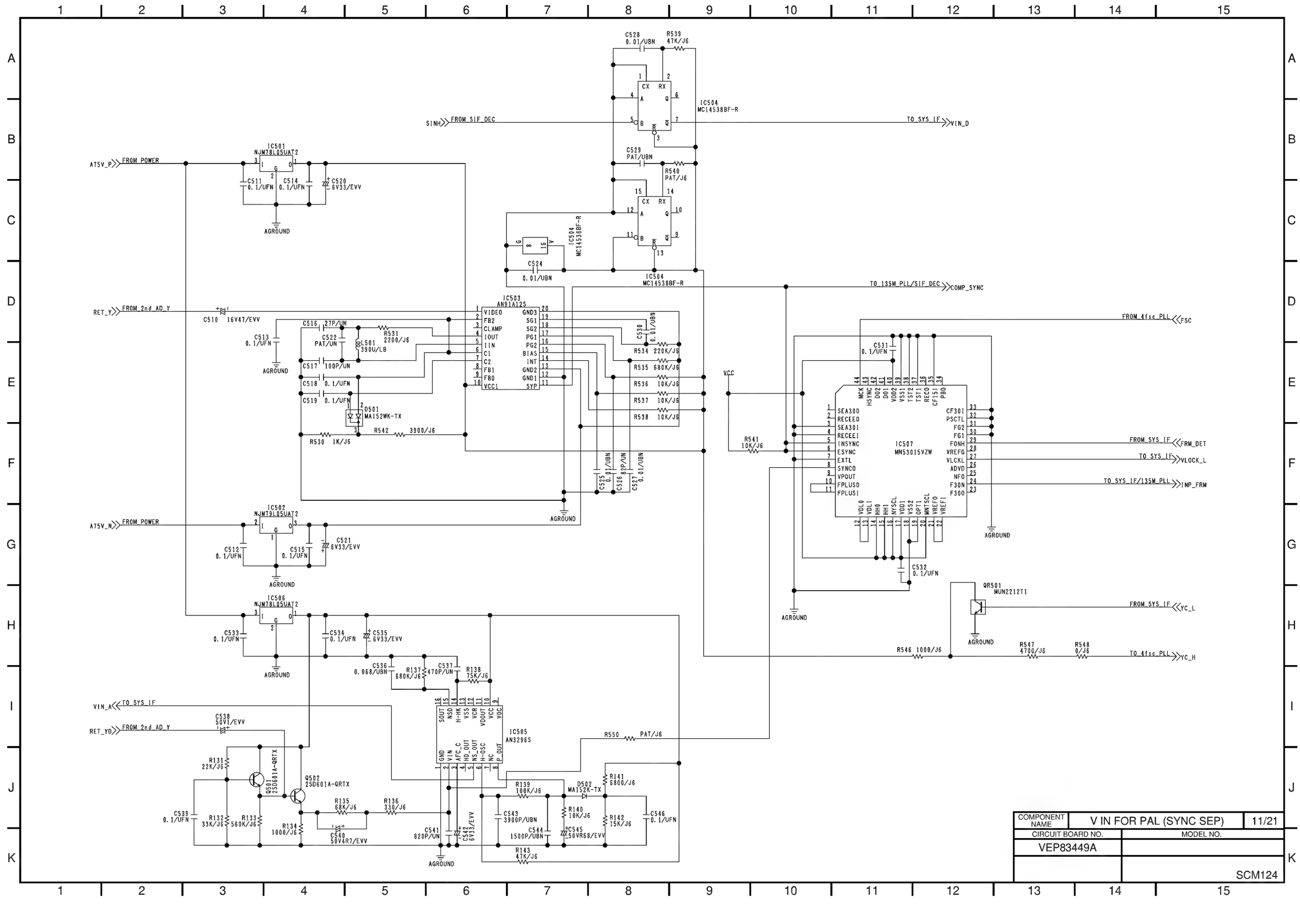
COMPONENT NAME	V IN FOR PAL (DECODER)	08/21
CIRCUIT BOARD NO.	MODEL NO.	
VEP83449A		
		SCM121

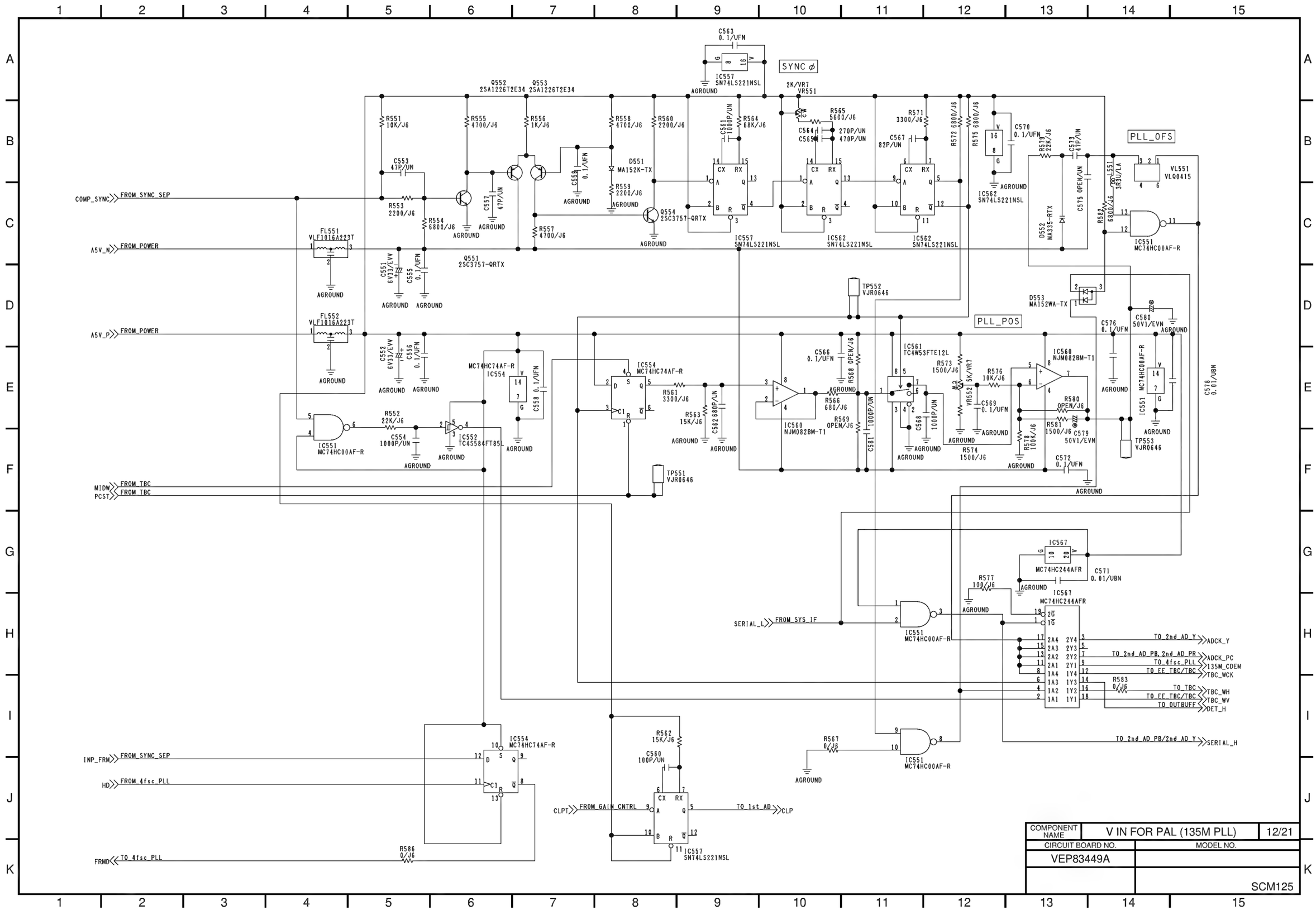

CSYNC FROM_GAIN_CNTRL
VIDEO_IN_L FROM_SYS_IF
135M_CDEM FROM_135M_PLL
A5V_P FROM_POWER
A5V_N FROM_POWER
APC_DET FROM_CDEM
YC_L FROM_SYS_IF
FRMD FROM_135M_PLL
IBF FROM_CDEM
TO_135M_PLL HD
FSC_FIX_L FROM_SYS_IF
FROM_SYNC_SEP YC_H
TO_SYS_IF BW_L
TO_SYS_IF INSCH_H
TO_OUTBUFF INCF0
TO_SYS_IF NSTD_H
TO_DECODER BVCO
TO_SYNC_SEP/SYS_IF FSC
TO_CDEM AXSV
TO_CDEM AXSU
RSTH_SITE
SCH_SITE
RSTH_YC
SCH_YC
AX0
IC428 UPD65013BC16
IC401 SN74LS221NSL
IC402 MM74HC221AML
IC403 MM74HC221AML
IC404 MC74HC04AF-R
IC406 NJM78L05UAT2
IC407 NJM79L05UAT2
IC410 NJM082BM-T1
IC414 MC74HC4053FR
IC418 NJM082BM-T1
IC419 MC74HC4053FR
IC423 NJM082BM-T1
X401 VSX0270
Q401 2SD601A-QRTX
Q402 2SD601A-QRTX
TP401 VJR0646
TP402 EYF6CU
TP403 VJR0646
TP405 VJR0646
AGROUND
COMPONENT NAME: V IN FOR PAL (4fsc PLL)
09/21
CIRCUIT BOARD NO.: VEP83449A
MODEL NO.:
SCM122

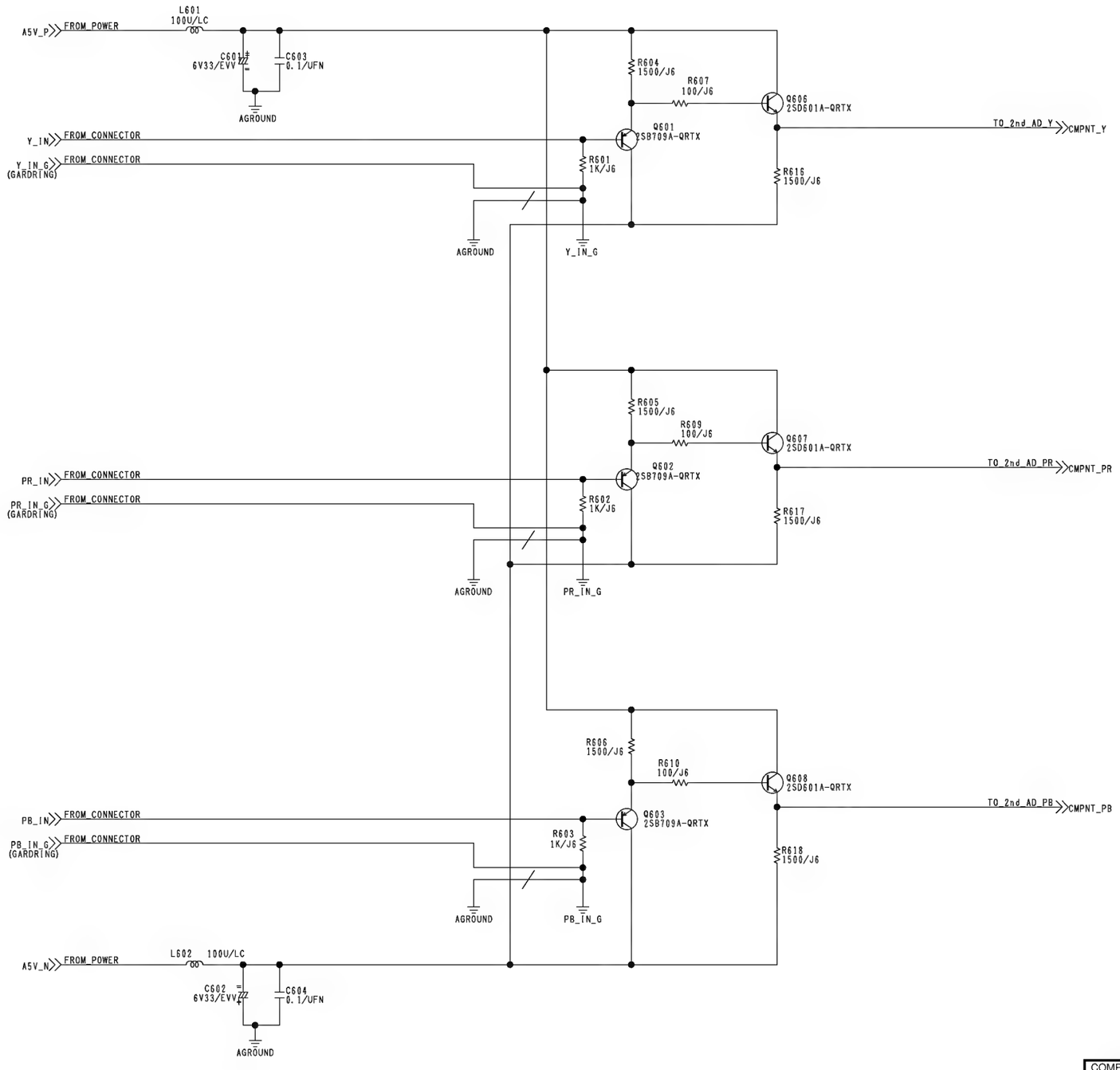


COMPONENT NAME	V IN FOR PAL (CDEM)
CIRCUIT BOARD NO.	VEP83449A
MODEL NO.	
	SCM123

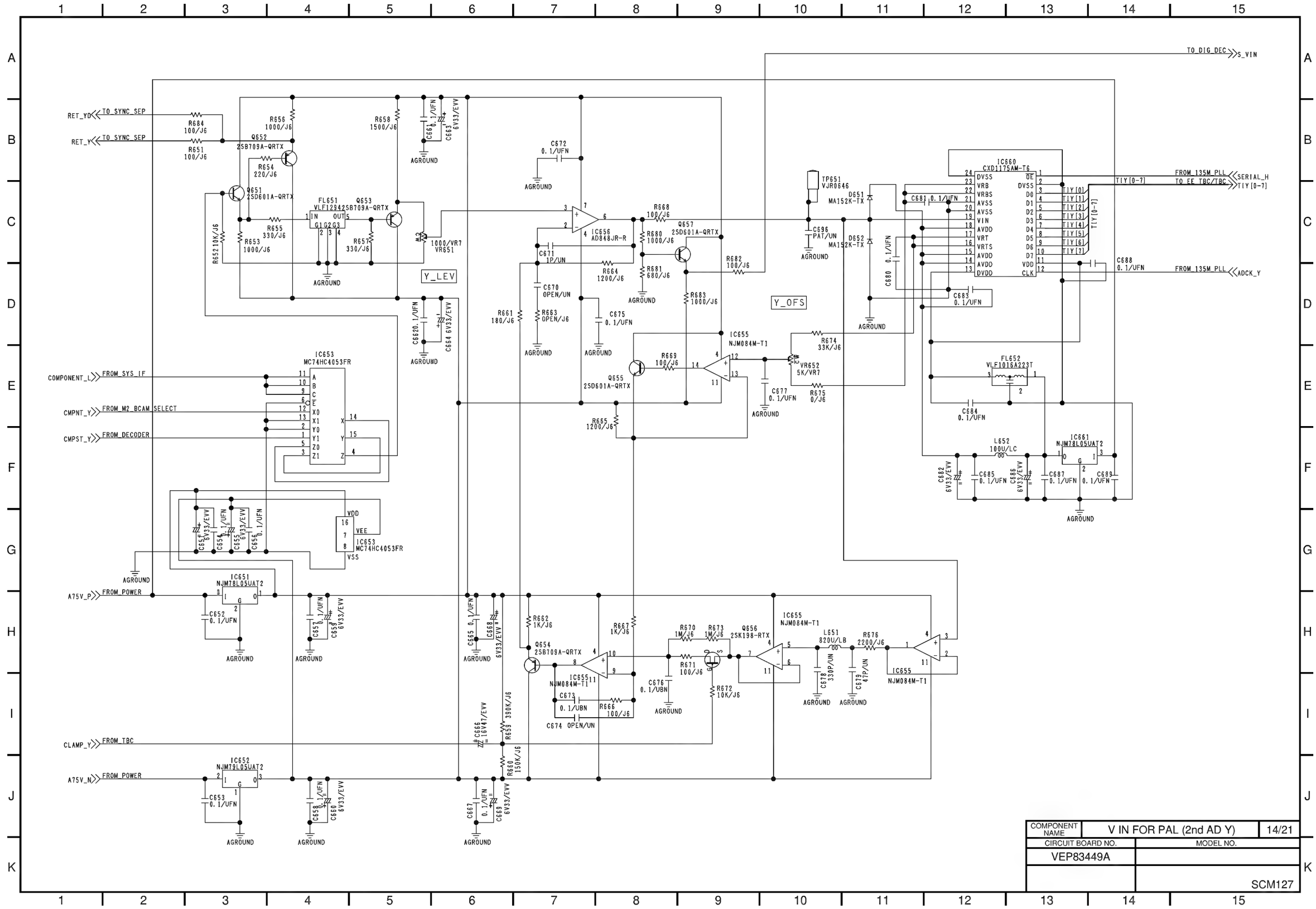
10/21


IC501 NJM78L05UAT2
A75V_P
FROM POWER
C511 0.1/UFN
C514 0.1/UFN
C520 6V33/EVV
AGROUND
C528 0.01/UBN
R539 47K/J6
IC504 MC14538BF-R
SINH
FROM SIF DEC
TO SYS IF
VIN_D
C529 PAT/UBN
R540 PAT/J6
C524 0.01/UBN
TO 135M PLL/SIF DEC
COMP_SYNC
IC503 AN91A12S
RET_Y
FROM 2nd AD Y
C510 16V47/EVV
C513 0.1/UFN
C516 27P/UN
C522 PAT/UN
L501 390U/LB
R531 2200/J6
C517 100P/UN
C518 0.1/UFN
C519 0.1/UFN
D501 MA152WK-TX
R530 1K/J6
R542 3900/J6
C530 0.01/UBN
R534 220K/J6
R535 680K/J6
R536 10K/J6
R537 10K/J6
R538 10K/J6
C525 0.01/UBN
C526 82P/UN
C527 0.01/UBN
FROM 4fsc PLL
FSC
VCC
C531 0.1/UFN
R541 10K/J6
IC507 MN53015VZW
FROM SYS IF
FRM_DET
TO SYS IF
VLOCK_L
TO SYS IF/135M PLL
INP_FRM
C532 0.1/UFN
QR501 MUN2212T1
FROM SYS IF
YC_L
R546 1000/J6
R547 4700/J6
R548 0/J6
TO 4fsc PLL
YC_H
IC502 NJM79L05UAT2
A75V_N
FROM POWER
C512 0.1/UFN
C515 0.1/UFN
C521 6V33/EVV
IC506 NJM78L05UAT2
C533 0.1/UFN
C534 0.1/UFN
C535 6V33/EVV
C536 0.068/UBN
R137 680K/J6
C537 470P/UN
R138 75K/J6
VIN_A
TO SYS IF
RET_YD
FROM 2nd AD Y
C538 50V1/EVV
IC505 AN3296S
R550 PAT/J6
R131 22K/J6
Q502 2SD601A-QRTX
Q501 2SD601A-QRTX
R139 100K/J6
D502 MA152K-TX
R141 6800/J6
C539 0.1/UFN
R132 33K/J6
R133 560K/J6
R134 1000/J6
R135 68K/J6
R136 330/J6
C540 50V4R7/EVV
C541 820P/UN
C542 6V33/EVV
C543 3900P/UBN
C544 1500P/UBN
C545 50VR68/EVV
R140 10K/J6
R142 15K/J6
C546 0.1/UFN
R143 47K/J6
COMPONENT NAME
V IN FOR PAL (SYNC SEP)
11/21
CIRCUIT BOARD NO.
VEP83449A
MODEL NO.
SCM124


SYNC ø
PLL_OFS
PLL_POS
COMP_SYNC FROM_SYNC_SEP
A5V_N FROM_POWER
A5V_P FROM_POWER
MIDW FROM_TBC
PCST FROM_TBC
INP_FRM FROM_SYNC_SEP
HD FROM_4fsc_PLL
FRMD TO_4fsc_PLL
CLPT FROM_GAIN_CNTRL
SERIAL_L FROM_SYS_IF
IC557 SN74LS221NSL
IC562 SN74LS221NSL
IC551 MC74HC00AF-R
IC554 MC74HC74AF-R
IC552 TC45584FT85L
IC560 NJM082BM-T1
IC561 TC4W53FTE12L
IC567 MC74HC244AFR
Q551 2SC3757-QRTX
Q552 2SA1226T2E34
Q553 2SA1226T2E34
Q554 2SC3757-QRTX
D551 MA152K-TX
D552 MA335-RTX
D553 MA152WA-TX
VL551 VLQ0415
TP551 VJR0646
TP552 VJR0646
TP553 VJR0646
TO_2nd_AD_Y ADCK_Y
TO_2nd_AD_PB,2nd_AD_PR ADCK_PC
TO_4fsc_PLL 135M_CDEM
TO_EE_TBC/TBC TBC_WCK
TO_TBC TBC_WH
TO_EE_TBC/TBC TBC_WV
TO_OUTBUFF DET_H
TO_2nd_AD_PB/2nd_AD_Y SERIAL_H
TO_1st_AD CLP
AGROUND
COMPONENT NAME
V IN FOR PAL (135M PLL)
12/21
CIRCUIT BOARD NO.
VEP83449A
MODEL NO.
SCM125

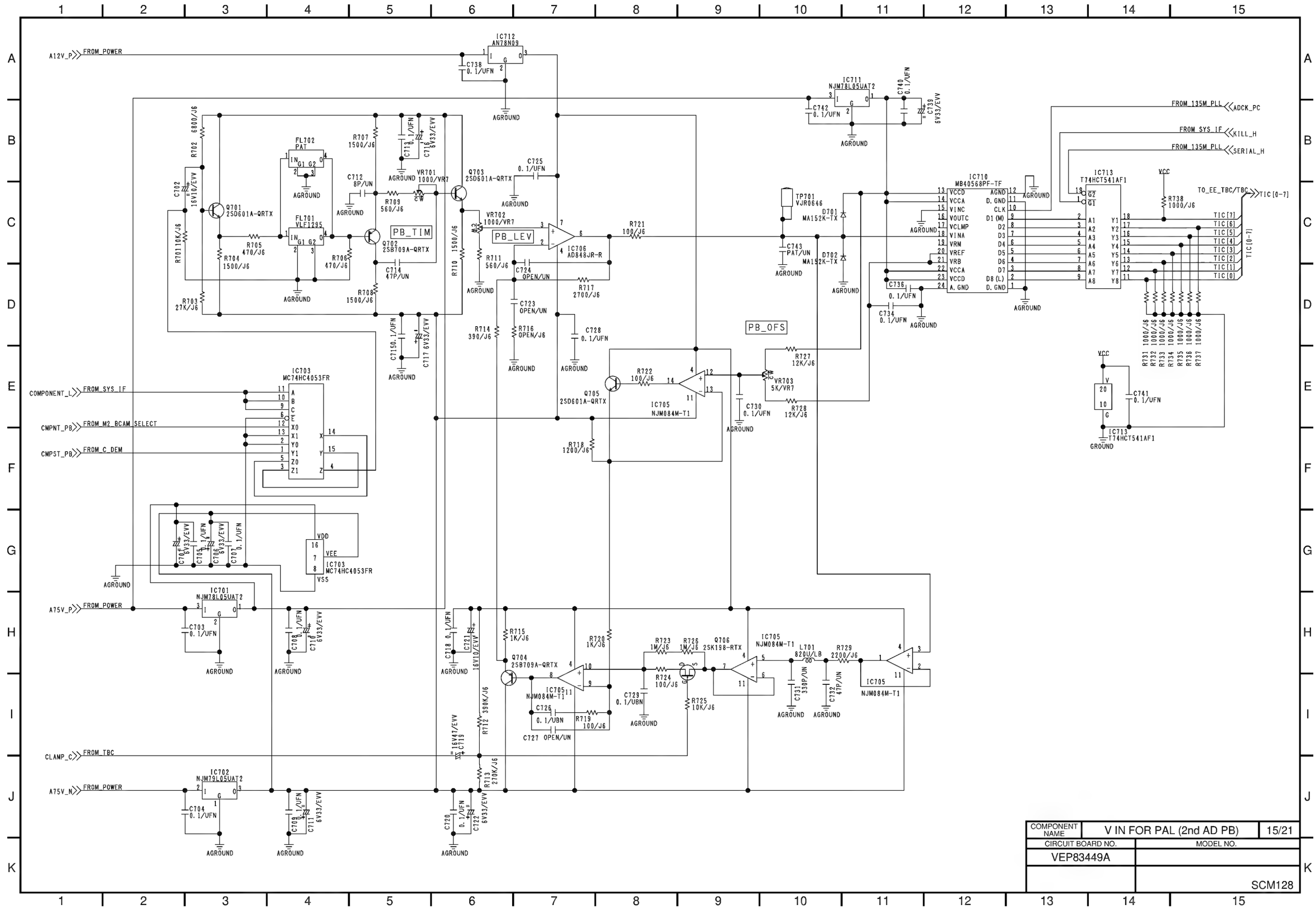


COMPONENT NAME	V IN FOR PAL (M2 BCAM SELECT) 13/21
CIRCUIT BOARD NO.	MODEL NO.
VEP83449A	
	SCM126

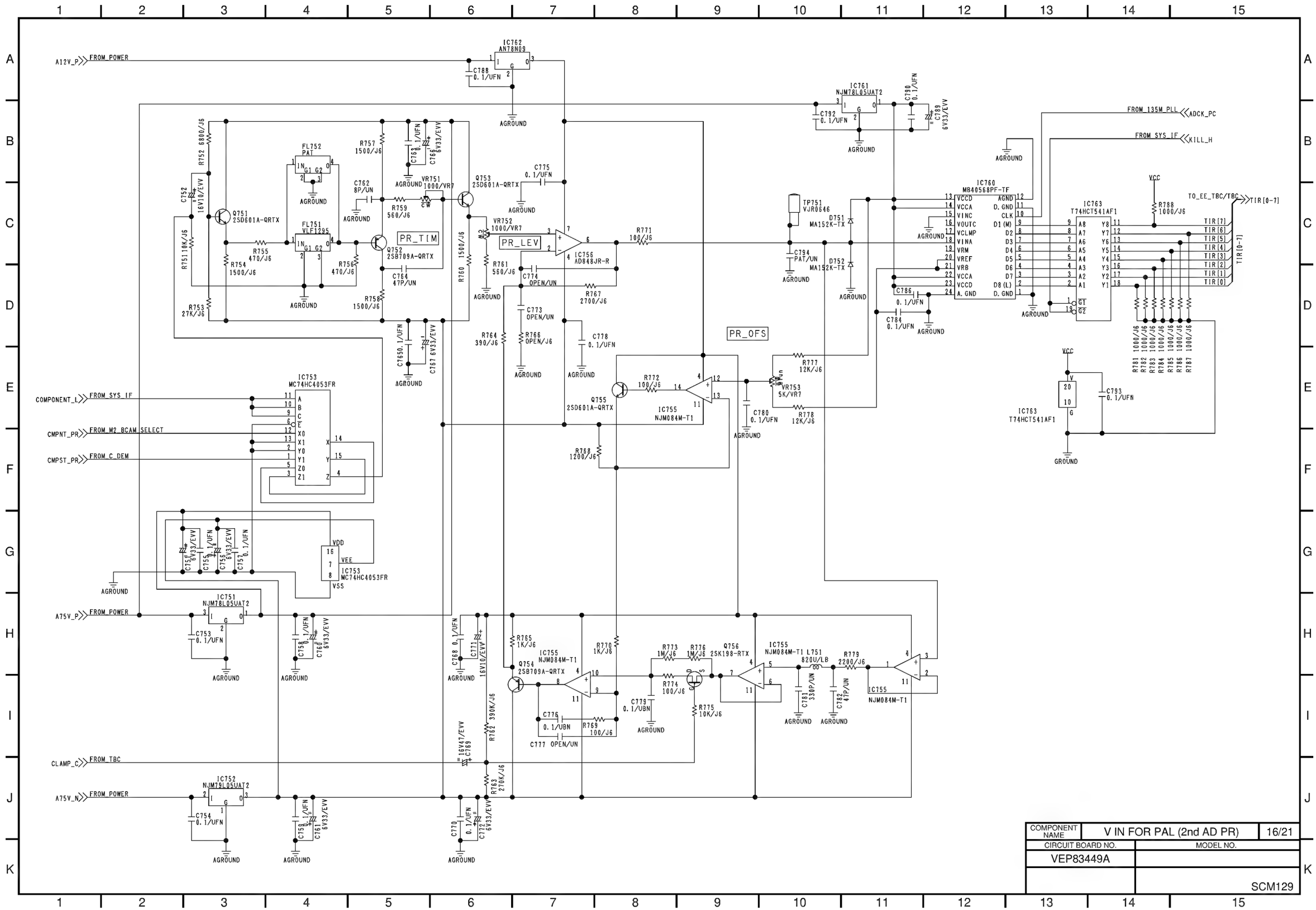


COMPONENT NAME	V IN FOR PAL (2nd AD Y)
CIRCUIT BOARD NO.	MODEL NO.
VEP83449A	
	SCM127

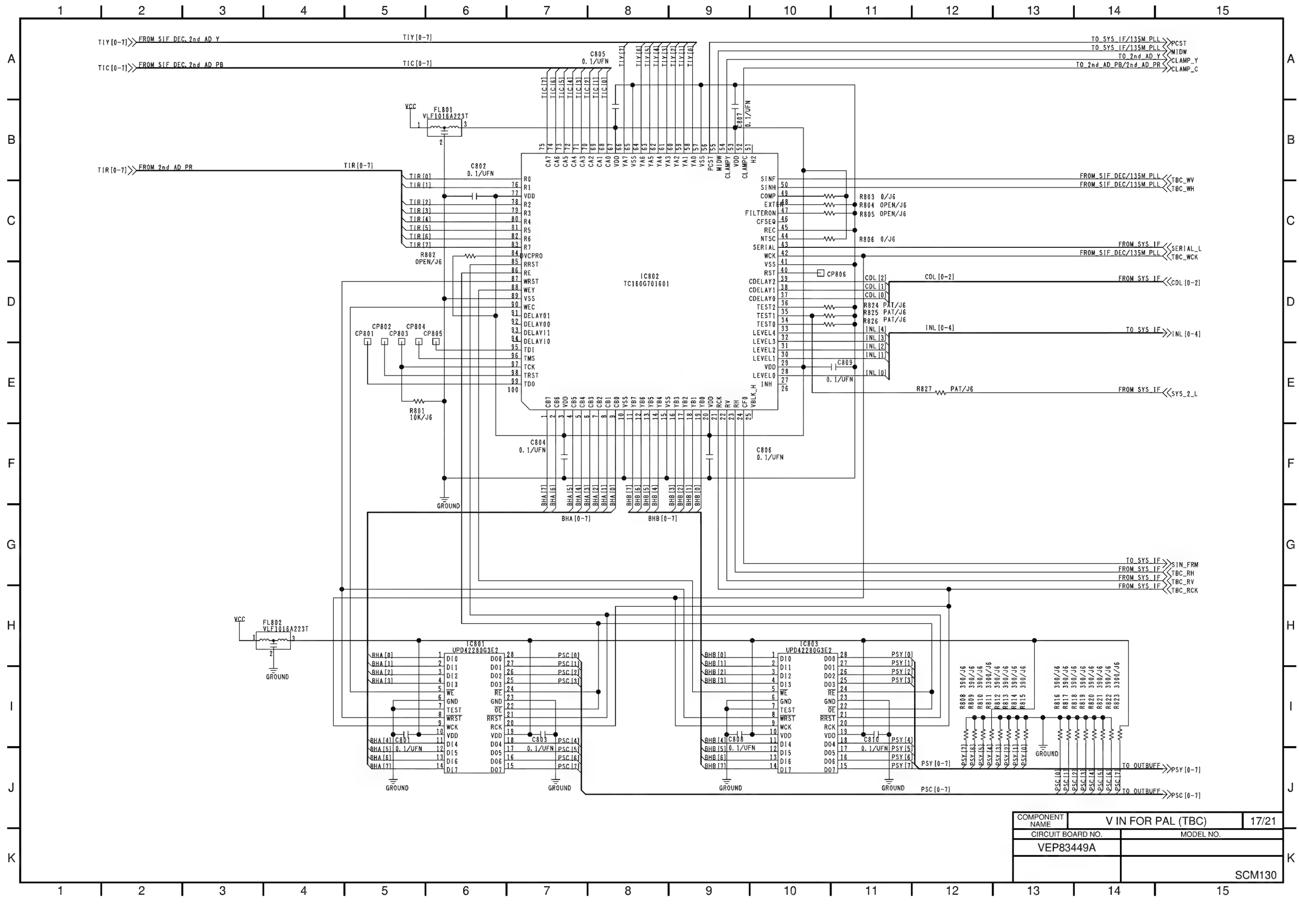
14/21



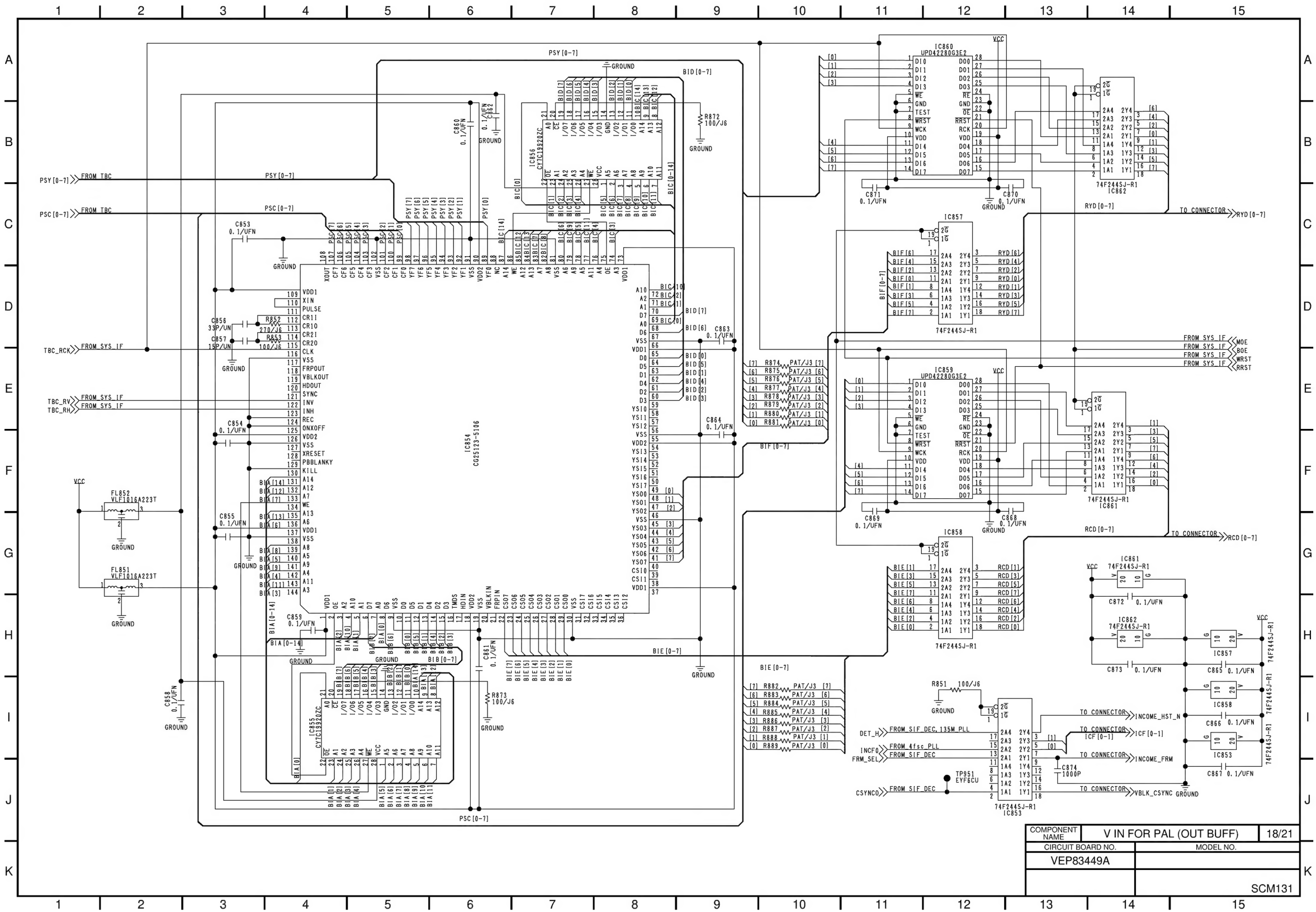
COMPONENT NAME	V IN FOR PAL (2nd AD PB)	15/21
CIRCUIT BOARD NO.	MODEL NO.	
VEP83449A		
		SCM128

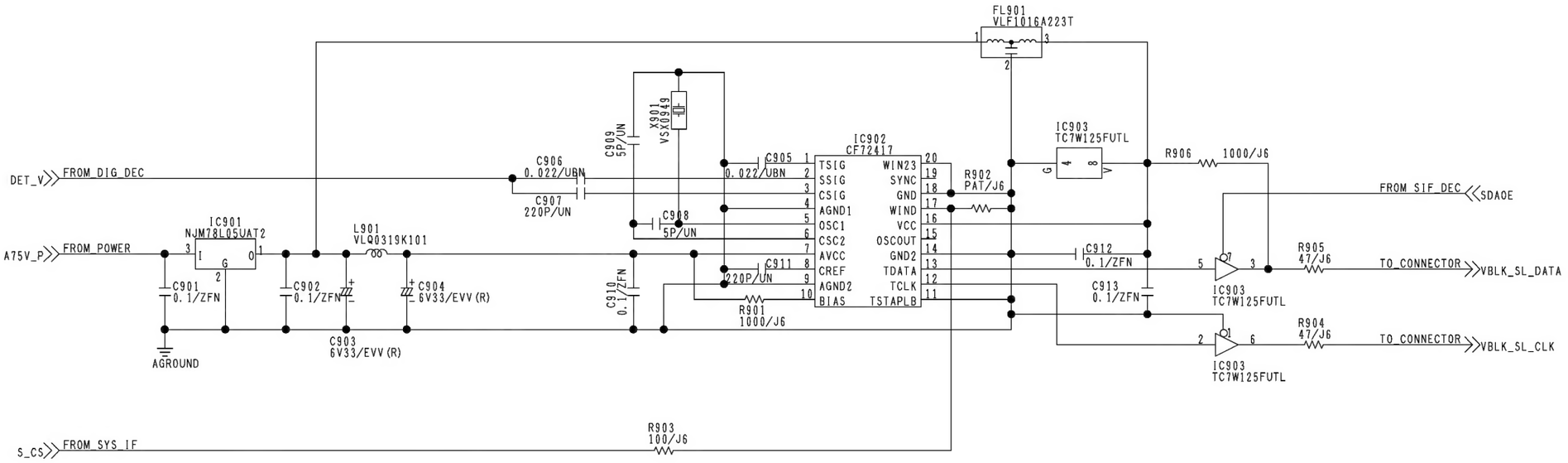


COMPONENT NAME	V IN FOR PAL (2nd AD PR) 16/21
CIRCUIT BOARD NO.	MODEL NO.
VEP83449A	
	SCM129

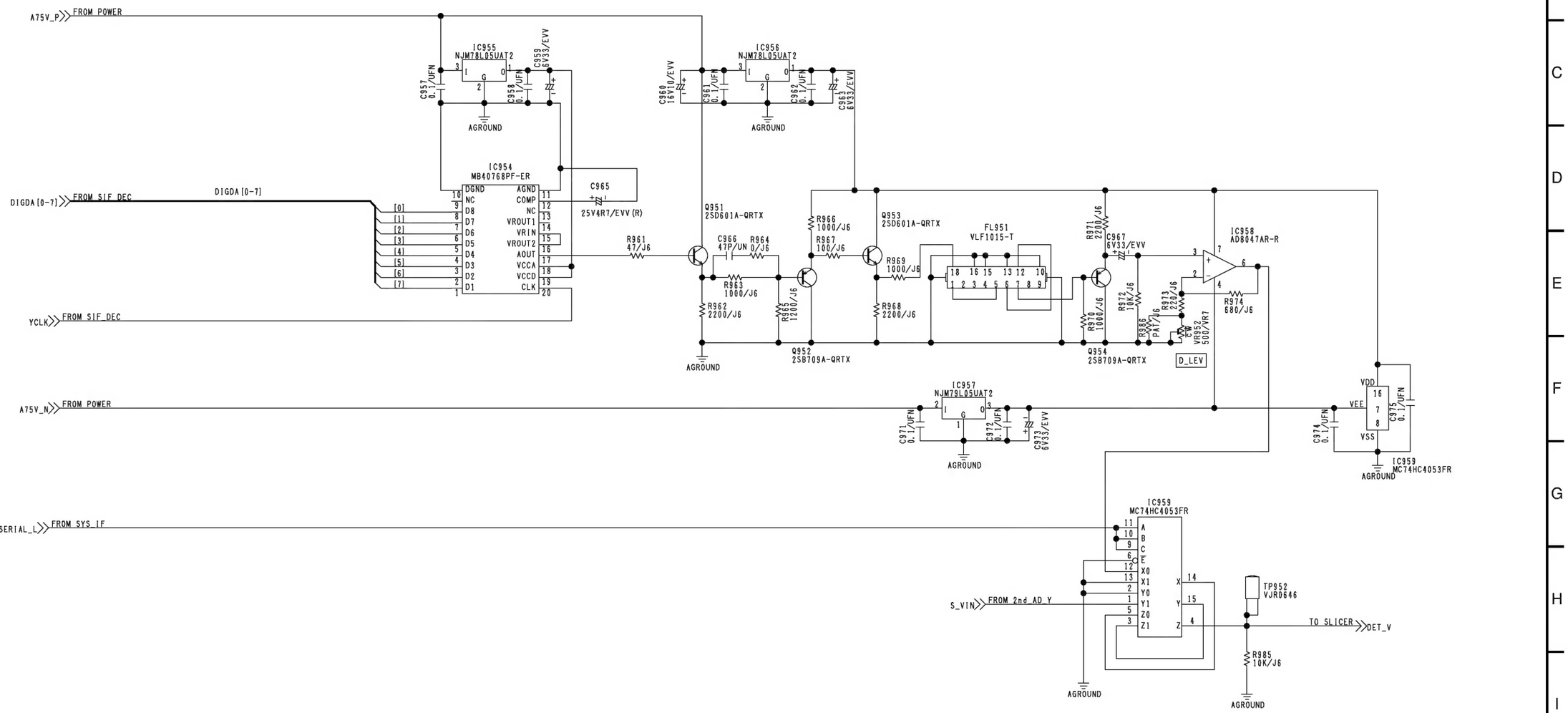


COMPONENT NAME	V IN FOR PAL (TBC)	17/21
CIRCUIT BOARD NO.	MODEL NO.	
VEP83449A		
		SCM130

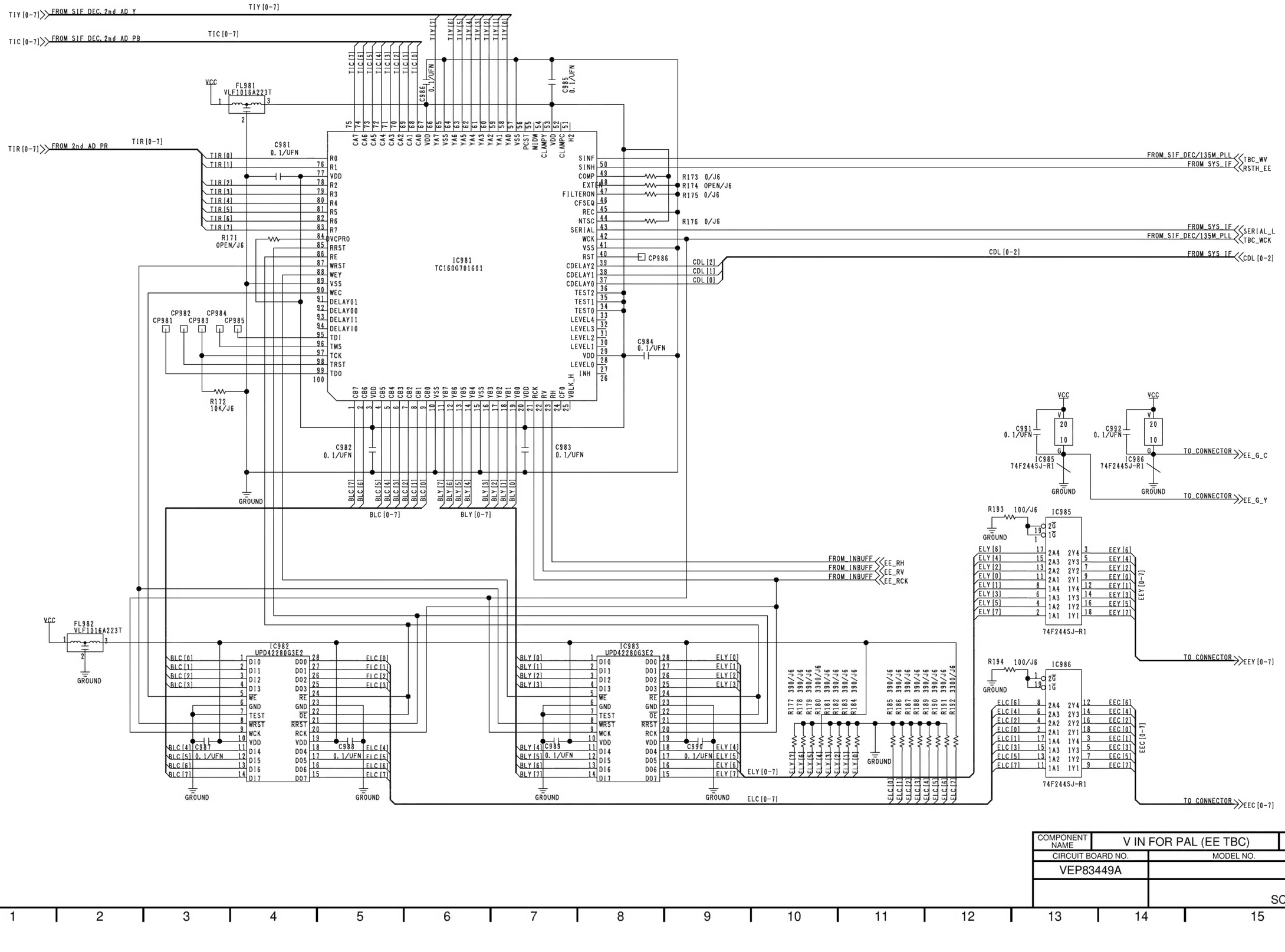

PSY [0-7]
PSC [0-7]
BID [0-7]
BIA [0-14]
BIB [0-7]
BIC [0-14]
BIE [0-7]
BIF [0-7]
RYD [0-7]
RCD [0-7]
GROUND
VCC
FROM TBC
TO CONNECTOR
FROM SYS IF
IC856 CY7C1392ZC
IC860 UPD42280G3E2
IC859 UPD42280G3E2
IC857
IC858
IC861 74F244SJ-R1
IC862 74F244SJ-R1
IC863 74F244SJ-R1
IC864 74F244SJ-R1
IC865 74F244SJ-R1
IC866 74F244SJ-R1
IC867 74F244SJ-R1
IC854 CG25123-5106
C853 0.1/UFN
C854 0.1/UFN
C855 0.1/UFN
C856 33P/UN
C857 15P/UN
C858 0.1/UFN
C859 0.1/UFN
C860 0.1/UFN
C861 0.1/UFN
C862 0.1/UFN
C863 0.1/UFN
C864 0.1/UFN
C869 0.1/UFN
C870 0.1/UFN
C871 0.1/UFN
C872 0.1/UFN
C873 0.1/UFN
C874 1000P
R851 100/J6
R852 270/J6
R853 100/J6
R872 100/J6
R873 100/J6
FL851 VLF1016A223T
FL852 VLF1016A223T
TBC_RCK
TBC_RV
TBC_RH
DET_H
INCF0
FRM_SEL
CSYNC0
MOE
BOE
WRST
RRST
INCOME_HST_N
ICF [0-1]
INCOME_FRM
VBLK_CSYNC
FROM_SIF_DEC, 135M_PLL
FROM_4fsc_PLL
FROM_SIF_DEC
TP951 EYF8CU
COMPONENT NAME
V IN FOR PAL (OUT BUFF)
18/21
CIRCUIT BOARD NO.
VEP83449A
MODEL NO.
SCM131



COMPONENT NAME	V IN FOR PAL (SLICER)	19/21
CIRCUIT BOARD NO.	MODEL NO.	
VEP83449A		
		SCM132



COMPONENT NAME	V IN FOR PAL (DIG DEC)	20/21
CIRCUIT BOARD NO.		MODEL NO.
VEP83449A		
		SCM133



COMPONENT NAME	V IN FOR PAL (EE TBC)	21/21
CIRCUIT BOARD NO.	MODEL NO.	
VEP83449A		
		SCM134